SNV-3120

1/4" 12x H.264 Vandal-Resistant Network Dome Camera

ONVIF

Features

- Real-time 30(25)fps at high resolution (4CIF)
- Max. resolution : 704 x 480, 704 x 576(4CIF)
- H.264, MPEG-4 & MJPEG triple codec
- WDR (Wide Dynamic Range) • XDR (Extended Dynamic Range)
- Progressive scan • True Day & Night (ICR)
- Powerful 12x optical zoom and 16x digital zoom
- SD memory slot for internal recording
- PoE (Power over Ethernet)
- Fan/Heater built-in for outdoor installation
- Surface/flush mounting selectable • IP66

Technical Specifications

Camera			SNV-3120
Camera Type	Color / B/W		Color
Image	Device		Ex-view HAD PS CCD
	Size		1/4"
	Scan		Progressive Scan (VPS on) (When WDR on, Interlaced Scan)
	Pixels	Total	NTSC : 811 x 508 / PAL : 795 x 596
		Effective	NTSC : 768 x 494 / PAL : 752 x 582
Scanning	Horizontal Frequency	Internal Mode	NTSC : 15,734Hz / PAL : 15,625Hz
		Line lock Mode	NTSC : 15,750Hz / PAL : 15,625Hz
	Vertical Frequency	Internal Mode	NTSC : 59.94Hz / PAL : 50Hz
		Line lock Mode	NTSC : 60Hz / PAL : 50Hz
Min. Scene Illumination	Color	Sens-up off	0.36Lux (15 IRE) / 0.72Lux (30 IRE) / 1.2Lux (50 IRE)
		Sens-up 512x	0.0007Lux (15 IRE) / 0.0014Lux (30 IRE) / 0.0023Lux (50 IRE)
	B/W	Sens-up off	0.036Lux (15 IRE) / 0.072Lux (30 IRE) / 0.12Lux (50 IRE)
		Sens-up 512x	0.00007Lux (15 IRE) / 0.00014Lux (30 IRE) / 0.00023Lux(50 IRE)
Functions	Number of Privacy Zone		12ea
	Day & Night		Color / B/W / Auto (ICR)
	eXtended Dynamic Range (XDR)		Off / Low / Medium / High
	Wide Dynamic Range		NTSC : On / Off (128x) / PAL : On / Off (160x)
	Digital Zoom		1x ~ 16x (0.1x step)
	Electronic Shutter Speed		NTSC : 1/60 ~ 1/10Ksec / PAL : 1/50 ~ 1/10Ksec
	Flickerless		On / Off
	Sens-up (Frame Integration)		2x ~ 512x
	Backlight Compensation		On / Off (Area setting)
	AGC		On / Off (Max.level setting)
	White Balance		ATW1 / ATW2 / AWC / Manual (ATW1 : 2,500 ~ 9,500°K, ATW2 : 2,000~10,000°K)
	Digital Noise Reduction		Off / Low / Medium / High (Adaptive 3D + 2D)
	Digital Image Stablization		On / Off
	Zoom Preset		256ea
Resolution	Horizontal / Vertical		600TV lines / 350TV lines
Video Output			VBS 1.0Vp-p
S/N Ratio			52dB
Lens	Focal Length		3.69 ~ 44.32mm
	Zoom Ratio		12x
	Aperature Ratio		F1.65(Wide) / F2.01(Tele)
	Angular Field of View		H : 54.44°(Wide) ~ 4.64°(Tele) / V : 41.42°(Wide) ~ 3.52°(Tele)
	Lens Drive Type		AI (DC)
	Mount Type		Board type
Environmental Conditions	Operating Temperature		-40°C ~ +50°C (Built-in fan/heater)
	Operating Humidity		less than 90% (Waterproof)
Power	Power Requirement		Dual (12V DC / 24V AC), PoE
	Power Consumption		Max. 8W (Heater off) / Max. 11W (Heater on)
	LED Indicator		Yes
Physical Specification	Dimensions (WxH)		Ø160 x 134.5mm (Ø6.3" x 5.3")
	Weight		1.5Kg (3.31 lb)
	Color / Case		White grey / Aluminum (IP66)

Network			SNV-3120
Network Board	OS		Embedded Linux
	Hardware	Flash memory	128M byte
		RAM	256M byte
		Ethernet	RJ-45 (10/100 Base-T)
		Video Out	VBS 1.0Vp-p
		Audio	Line in / Line out
		SD Memory Slot	Yes (SD / SDHC)
		PoE	Yes (IEEE802.3af Class 2)
Alarm	Input / Output		1ea / 1ea (Relay)
Video	Compression		H.264 / MPEG-4 / MJPEG Multiple codec
	Resolution	4CIF	NTSC : 704 x 480 / PAL : 704 x 576
		VGA	640 x 480
		CIF	NTSC : 352 x 240 / PAL : 352 x 288
	Max. Frame Rate		30(25)fps at all resolutions
	H.264 / MPEG-4 Quality		Compression : 5 ~ 100 (20 steps), Target bitrate (CBR mode only) : 1 ~ 10 level
	MJPEG Quality		1 ~ 20 level
	Bitrate Control		H.264 / MPEG-4 : VBR / CBR, MJPEG : VBR
	Streaming		H.264 / MPEG-4/ MJPEG multiple streaming (Individual streaming simultaneously)
Audio	Compression		G.711 u-law
	Bi-Directional Communication		Yes
Motion Detection	Intelligent Motion Detection		Motion detection, Moved / Fixed
Protocol	IP		IPv4 / IPv6
	Network Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, ONVIF
		IPv6	TCP/IP, HTTP, HTTPS, SSL, DHCP
	Streaming		Unicast, Multicast
	Security		HTTPS (SSL) login authentication, Digest login authentication, IP address filtering, User access log
	DDNS		Supporting samsung DDNS and public DDNS services
Connection	Maximum User Access		Max. 10 users at Unicast mode, Max. 20 users at Multicast mode
	User Access Level	Administrator	Full control privilege
		Guest	Live monitoring only
		Additional User	Configurable privilege individually
Event Management	Alarm Input		Pre/Post alarm image buffering, Image recording : SD memory
	Intelligent Video Detection		Event notification, Alarm out activation, Zoom preset move
	Schedule		JPEG Image transfer : FTP, Image recording : SD memory
Web Browser Viewer (Default)	Supported OS		Windows XP, VISTA 7, Mac OS
	Supported Browser		Internet Explorer 6.0 or Higher, Firefox, Google Chrome, Safari
	PTZ Control		Zoom control only
	Plug-in		MS SilverLight 4.0
	UI Language		English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese
	S/W Upgrade		Using web viewer UI
Video Player	RTP / RTSP Streaming		Quicktime, VLC player
Video Management Software			Samsung CMS S/W, 3rd party S/W appliction
Application	IP Installation		IP installer application for all Samsung IP devices

Dimensions

Unit : mm (inch)